

sæpe saturatius tessellata et ad suturam tænia articulata ornata ; spira conoidea ; anfr. 5 vix convexiusculis, ultimo acute carinato, basi convexiore ; columella brevi, in spinam subacutam desinente, callum emitente vitreum, circumscriptum ; apertura diagonali, subtriangulari ; perist. breviter expanso, margine basali substricto, reflexiusculo.

Diam. maj. 12, min. $10\frac{1}{3}$, alt. 8 mill.

Hab. Wanderer Bay, Guadalcanar, Salomon's Islands (Mr. Macgillivray).

July 10, 1855.

John Gould, Esq., F.R.S., in the Chair.

Mr. Westwood exhibited several new and remarkable species of beetles belonging to the families *Cicindelidæ* and *Carabidæ*. The species of the former family belonged to the genera *Collyris* and *Tricondyla*, peculiar to the islands of the Eastern Ocean, and had been collected by the late Colonel Champion and by Dr. Templeton in Ceylon. The species of *Carabidæ* were remarkable for having the antennæ particoloured, several of the joints being white. They were collected in Ceylon by Mr. Thwaites, in India by General Hearsey, in Brazil by Mr. Bates, and formed several new and distinct genera.

The following paper was read :—

DESCRIPTIONS OF TWO NEW GENERA AND SEVERAL NEW SPECIES OF MOLLUSCA, FROM THE COLLECTION OF HUGH CUMING, Esq.
BY ARTHUR ADAMS, F.L.S., &c.

Genus CLEA, H. and A. Adams.

The shell on which this genus is founded resembles a fluviate *Buccinum*, and is from the river in Sarawak Borneo. The notch at the fore part of the aperture differs from that of *Melanopsis*, and the form and abruptly truncate columella separates it from *Hemisimis* of Swainson. The only species at present known is that described below, distinct varieties of which have lately been received from Malacca.

Type. CLEA NIGRICANS, A. Adams.

Testa bucciniformis, ovata, epidermide corneo nigro-fusco induta, spira aperturam æquante, apice decollato ; anfractibus convexiusculis transversim striatis ; apertura ovato-oblonga, antice valde emarginata ; columella abrupte truncata, plica unica, spirali, antica, obliqua instructa ; labro simplici margine subreflexo et intus subincrassato.

Shell bucciniform, ovate, covered with a brown-black horny epidermis ; spire as long as the aperture, apex decollated, eroded ;

whorls rather convex, transversely striated. Aperture oblong-ovate, with a distinct notch in front; columella abruptly truncate, with a single oblique spiral fold anteriorly; outer lip simple, the margin somewhat reflexed and thickened internally.

Genus **ERINNA**, H. and A. Adams.

Shell semiglobose, thin, horny, olivaceous, longitudinally finely striated; spire very short, obtuse, apex rather eroded, last whorl ventricose, aperture large semiovate; inner lip posteriorly ascending on the body-whorl; columella straight excavated and with a curved elevated ridge outside the excavation, continued in front into the outer lip, which is thin and simple.

Type. **ERINNA NEWCOMBI**, H. and A. Adams.

E. testa olivacea tenui longitudinaliter oblique striata, spira brevisima, obtusa, apice erosula, anfractu ultimo ventricoso; apertura semiovata; columella recta excavata, labro tenui.

Hab. Heneta River, Kami, Sandwich Islands. (Dr. Newcomb.)

This shell by some would be referred to *Neritina*, by others to *Limnaea*, and possibly by a few to the genus *Otina*; it appears, however, to be distinct in character from all these.

The nineteen other New Species which I shall proceed to describe are referable to established Genera, and may be characterized as follows:—

1. **CHITON MACGILLIVRAYI**, A. Adams.

C. testa oblongo-ovali, elevatiuscula nigra areis centralibus fasciis duabus pallidis longitudinaliter picta; valvis obtusis (sub lente) minutissime granulatis, liris concentricis undulatis rugoso-granatis ornatis, valva terminali antice umbonata, umbonibus sublævibus vix productis; ligamento spinis calcareis nigris curvatis obtusis-culis obsito.

Hab. Fejee Islands, on the reefs. (J. Macgillivray.)

This is a well-marked and handsome species, rather more than two inches in length; the surface of the valves is finely granulated and ornamented, besides, with subgranulated, wavy, concentric, elevated lines; the central areas have a pale greenish band on each side of the umbo.

2. **MUREX DILECTUS**, A. Adams.

M. testa ovato-fusiformi trivaricosa, carneola, rufescenti sparsim variegata, spira brevi, acuminata, anfractibus septem, varicibus foliaceo-fimbriatis ac laciniatis, interstitiis plicato-nodosis, transversim liratis liris rufo articulatis; apertura ovali, canali vix clauso, valde recurvato, labro margine crenato.

Hab. —? (Mus. Cuming.)

3. MUREX (PTERONOTUS) SPECIOSUS, A. Adams.

M. testa ovato-fusiformi albida pallide rufo tincta; spira acuta, anfractibus septem, porcis transversis distantibus instructis, varicibus tribus foliatis, plicatis sublaciniatis postice in spina dilatata productis; interstitiis postice nodatis; apertura ovali integra; canali recto, clauso.

Hab. — ?

This is a very elegant species of *Murex*, which seems to be somewhat allied to the *M. alabaster* of Reeve, and is one of that section of the genus with foliated winged varices and a closed canal.

4. BELA ARCTICA, A. Adams.

B. testa ovato-fusiformi sordide alba epidermide fusco tenui induta, spira aperturam aequante, anfractibus 5, erosion longitudinaliter plicatis postice noduloso-angulatis, transversim obscure sulcatis, anfractu ultimo ventricoso postice carina crenata ornato; apertura ovali, labio expanso canali brevi lato aperto; labro tenui, postice sinu obsoleto instructo.

Hab. Arctic Seas.

This is an example of *Bela* of rather larger form than most of the other species. The genus appears to consist of small Muriciform shells, concentrated chiefly in northern regions.

5. CONUS TRAILLII, A. Adams.

C. testa parva turbinato-conica, spira elata, apice obtuso, anfractibus convexis, ultimo transversim sulcato, albida fasciis duabus latis cinereo tessellatis et punctis cinerascentibus ornata; anfractu ultimo postice rotundato; apertura angusta, linearis, labro simplice acuto.

Hab. Malacca. (Dr. Traill.)

This is a small and very peculiar species of *Conus*, unlike in appearance to any other example of the genus. The spire is elevated and obtuse, and the whorls are convex; the last whorl is rounded at the shoulder and is transversely grooved throughout, and the shell is ornamented with two broad bands tessellated with ashy.

6. CONUS SELECTUS, A. Adams.

C. testa turbinato-pyriformi, spira elata acuminata, anfractibus acute angulatis et fasciis rufis ornatis, anfractu ultimo acutim angulato ad peripheriam, antice transversim sulcato et angustato; luteola maculis rufo-fuscis, in lineis transversis dispositis, et fascia albida antica, ornata; apertura angusta antice effusa, labro valde postice inciso.

Hab. Malacca. (Dr. Traill.)

7. RHIZOCHLUS (CORALLIOPHILA) CALIFORNICA, A. Adams.

R. testa ovata, alba, rimata spira acuminata, anfractibus convexis, longitudinaliter nodoso-plicatis, transversim liratis, liris irregu-

laribus; apertura ovali, columella reflexa, subexplanata, canali brevi subrecurvo, labro acuto margine irregulari.

Hab. Gulf of California.

8. **STYLIFER EXARATUS**, A. Adams.

S. testa subulato-turrata alba nitida semipellucida, anfractibus permultis convexiusculis transversim sulcatis longitudinaliter creberime striatis, suturis impressis; apice mucronato; apertura ovata ad basim subeffusa; labro sinuoso, margine incrassato et subreflexo.

Hab. Parasitic in the skins of Starfishes. Philippine Islands. (Mr. Cuming.)

In this species of Starfish Parasite the whorls of the large turreted wax-like shell are distinctly marked with transverse grooves, and the outer lip is thickened at the edge and a little reflexed.

9. **STYLIFER SUBANGULATUS**, A. Adams.

S. testa subulato-turrata alba nitida semipellucida, apice mucronato flexuoso, anfractibus permultis convexiusculis, lineis elevatis transversis cinctis, ultimo ad peripheriam subangulato; apertura obpyriformi, labro tenui sinuoso in medio producto.

Hab. West Indies.

Perhaps the nearest approach in form to this *Stylifer* is *S. coralinus* of Chemnitz, which was also obtained from the West Indies; but as there is an example in Mr. Cuming's Collection agreeing almost exactly with the figure in Chemnitz, and yet of a different species, I have named the present one *S. subangulatus* from the angular character of the last whorl.

10. **ADMETE BOREALIS**, A. Adams.

A. testa ovato-oblunga albida epidermide fusco corneo induta, anfractibus sex, convexis, supremis obscure longitudinaliter plicatis, ultimo ventricoso transversim sulcato sulcis subdistantibus suturis impressis; apertura ovali labio tenui expanso, columella arcuata simplice antice subtruncata, labro margine acuto intus simplice.

Hab. Melville Island.

This appears to be a well-marked species of the northern form of *Cancellariidae*; the shell is much larger than *Admete viridula*, and the columella is entirely without plaits.

11. **MACROCHISMA SINENSIS**, A. Adams.

M. testa elongato-ovali compressa, antice rotundata et angustiori postice sinuata et latiori, ad extremitates elevatis, lineis elevatis radiantibus et concentricis decussatim ornata, albida fasciis carneis et punctis fuscis radiatim picta; foramine postico lanceolato elongato.

Hab. China Seas.

12. **MARGINELLA GEMMA**, A. Adams.

M. testa ovato-fusiformi, spira producta, acuminata, alba, fasciis duabus latis transversis, maculis viridescentibus tessellatis et lineis

articulatis picta; apertura angusta, antice dilatata, columella quadriplicata, antice macula rosea ornata, labro marginato, intus crenato, extus transversim viridi-lineato.

Hab. —? (Mus. Cuming.)

A remarkably pretty species, allied to *M. festiva*.

13. **MESALIA PLICATA**, A. Adams.

M. testa subulato-turrita, rufo-fusca, anfractibus 12 convexiusculis, longitudinaliter plicatis, transversim sulcatis, anfractu ultimo antice subangulato; apertura subquadrato-ovali, antice vix producta ac reflexa, labro flexuoso, margine subincrassato.

Hab. Teneriffe. (Mr. MacAndrew.) (Mus. Cuming.)

A red-brown *Melania*-like species, with the whorls regularly plicate.

14. **CYLLENE UNIMACULATA**, A. Adams.

C. testa ovata alba macula rufescens dorso ornata, spira acuminata, anfractibus planiusculis postice excavatis, transversim sulcatis longitudinaliter valde plicatis, plicis postice acute angulatis; apertura ovali, columella antice oblique sulcata, labro intus valde lirato, extus incrassato.

Hab. China Seas. (Mus. Cuming.)

15. **CANCELLARIA CLATHRATA**, A. Adams.

C. testa oblongo-ovali anguste umbilicata, albida fasciis duabus pallide rufescens ornata, anfractibus septem postice vix angulatis regulariter clathratis; apertura subquadrata; columella recta tuberculata-granosa, triplicata, plica postica valida, plica media unisulcata, plica antica bisulcata, labro intus valde lirato.

Hab. China Seas. (Mus. Cuming.)

This species is most nearly allied to *C. indentata*, Sow.

16. **CANCELLARIA NITIDA**, A. Adams.

C. testa acuminato-ovali imperforata, alba, nitida spira acuta suturis valde impressis, anfractibus septem planis, longitudinaliter costatis, costis elevatis, compressis distantibus, crenulatis postice alatis, productis, liris tenuibus transversis regulariter sculptis; apertura ovata, columella triplicata.

Hab. Philippies. (Mus. Cuming.)

17. **CANCELLARIA TENUIS**, A. Adams.

C. testa ovato-ventricosa, tenuicula, sordide carneola, anguste umbilicata, spiræ suturis profunde impressis, anfractibus sex planiusculis, longitudinaliter costatis, costis tenuibus crenulatis fusco articulatis, liris transversis regulariter sculptis, postice angulatis, productis, lamellatis; columella triplicata, labro tenui.

Hab. China Seas. (Mus. Cuming.)

Nearly allied to *C. foveolata*.